

Classwork November 14, 2016

Example 1

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|---|---|
| Azaria earns \$8 per hour babysitting. If she earned \$168 one week, how many hours did she babysit? | |
| Define the variable: $x = \# \text{ hours she babysat}$ | Write an equation that mirrors the scenario: $8x = 168$ |
| Solve the equation: $\frac{8x}{8} = \frac{168}{8}$ $x = 21$ $\begin{array}{r} 21 \\ 8 \overline{)168} \\ \underline{16} \\ 08 \\ \underline{8} \\ 0 \end{array}$ | Check: $8(21) = 168 \checkmark$ $\begin{array}{r} 21 \\ 8 \overline{)168} \end{array}$ |

Example 2

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|---|---|
| D'Andre has a certain number of cookies to share with his five friends. He gives them each three cookies. How many did he have to start with? | |
| Define the variable: $x = \# \text{ cookies D'Andre started with}$ | Write an equation that mirrors the scenario: $\frac{x}{5} = 3$ |
| Solve the equation: $\cancel{(5)} \frac{x}{5} = 3 \cancel{(5)}$ $x = 15$ | Check: $\frac{15}{\cancel{5}} = 3$ |

Practice 1

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|---|--|
| Raul saves \$15 each month. At this rate, how many months will he take to save \$135? | |
| Define the variable: | Write an equation that mirrors the scenario: |
| Solve the equation: | Check: |